



Missouri Department of Natural Resources

Total Maximum Daily Load Information Sheet

Rocky Fork

Waterbody Segment at a Glance:

County: Boone
Nearby Cities: Columbia
Length of impairment: 0.5 mile
Pollutant: Sediment
Source: Finger Lakes Abandoned
Mine Land Site



TMDL Priority Ranking: Medium

Description of the Problem

Beneficial uses of Rocky Fork

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life and Human Health associated with Fish Consumption

Use that is impaired

- Protection of Warm Water Aquatic Life

Standards that apply

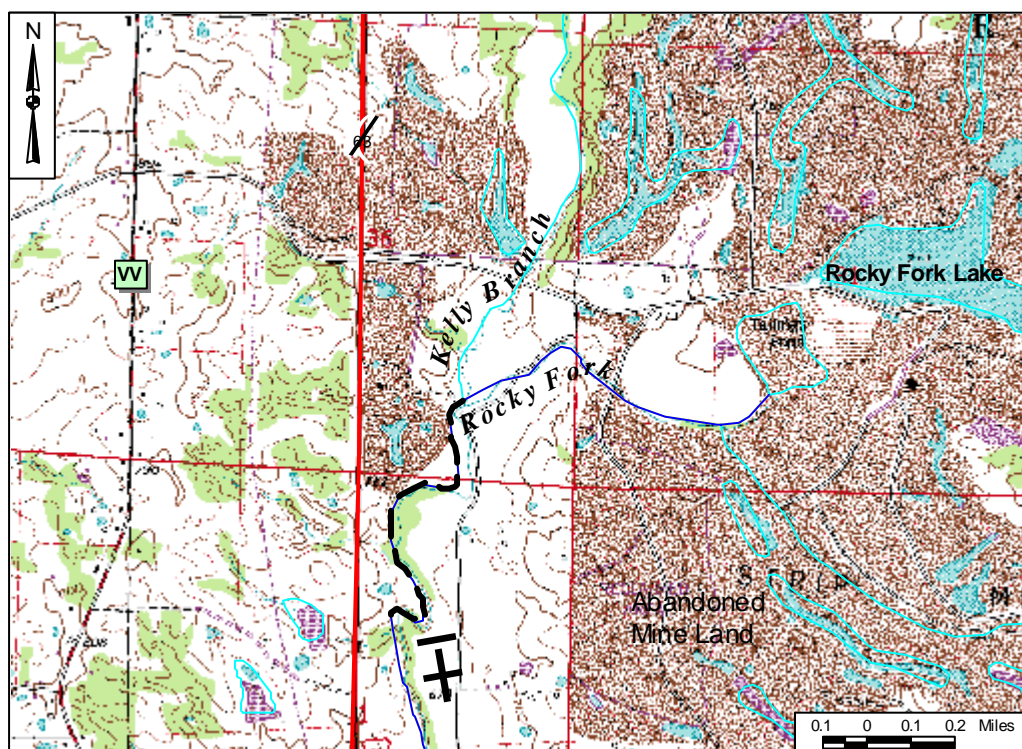
- All waterbodies in Missouri are protected by the *general* criteria (standards) contained in Missouri's WQS, 10 CSR20-7.031(3). These criteria (also called *narrative* criteria) list substances that all waters "shall be free from". The criteria that apply to Rocky Fork are (A), (C) and (G), and they state:
 - (A) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses.
 - (C) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses.
 - (G) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community.

Several hundred acres of strip mined land about six miles north of Columbia was purchased by the Department of Natural Resources and named Finger Lakes State Park. The park topography consists of small, steep-sided hills with many small ponds in between. This has made the area a favorite spot for recreational off road vehicle (ORV) use. Immediately south of the State Park, Kelley Branch joins Rocky Fork, and while this portion of the stream is not directly impaired by ORV traffic, it shows

evidence of heavy sedimentation from Kelley Branch. About one-half mile of Rocky Fork has impaired aquatic habitat due to excessive sedimentation. Sedimentation harms aquatic life by smothering the stream substrate (bottom), the aquatic invertebrate animals that live there and fish eggs.

The park management plan establishes designated trails along and across Kelley Branch, builds “hardened” stream crossings, and restores and protects the riparian border along the stream. An educational component will be included to gain park users’ support and cooperation. The work is ongoing and completion is expected by December 2004. A Total Maximum Daily Load plan addressing sediment was written in 2003.

Map Showing Location of Impaired Portion of Rocky Fork



--- Impaired Segment → Direction of Flow

For more information call or write:

Missouri Department of Natural Resources

Water Pollution Control Program

P.O. Box 176, Jefferson City, MO 65102-0176

1-800-361-4827 or (573) 751-1300 office or (573) 526-5797 fax

Program Home Page: www.dnr.state.mo.us/wpscd/wpcp/index.html